

\*1116IHSSF1237\*



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Site Name ENGINEERED CONTROLS INTERNATIONAL

DocumentType Site Assessment Rpt (SAR)

RptSegment 1

DocDate 11/14/1997

DocRcvd 2/20/2007

Box SF1237

AccessLevel PUBLIC

Division WASTE MANAGEMENT

Section SUPERFUND

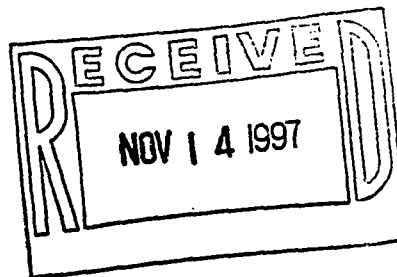
Program IHS (IHS)

DocCat FACILITY



November 14, 1997

Mr. John Richardson  
Four Seasons Environmental, Inc.  
3107 South Elm-Eugene Street  
Greensboro, North Carolina 27416-0590



Reference: Initial Abatement Measures and Site Check Report (20-Day Report)  
Initial Site Characterization Report (45-Day Report)  
Site Sensitivity Evaluation  
Engineered Controls International, Inc.  
1239 Rock Creek Dairy Road  
Whitsett, North Carolina

# 17781  
650

Dear Mr. Richardson:

Aquaterra, Inc. (Aquaterra) is pleased to provide this Initial Abatement Measures and Site Check Report (20-Day Report), Initial Site Characterization Report (45-Day Report), and Site Sensitivity Evaluation (SSE) for the Engineered Controls International, Inc. (ECII) facility located in Whitsett, North Carolina.

On September, 10, 1997, Four Seasons Environmental, Inc. (FSE) responded to a reported virgin cutting oil spill in ECII's machine shop. FSE personnel excavated the impacted soil from the southeast corner of the facility to a depth of 2.5 to 3 feet below land surface and backfilled the excavation area with non-impacted soil. Laboratory analysis of soil samples collected by Aquaterra on September 23, 1997 indicated the presence of oil and grease in concentrations ranging from 66.4 mg/kg to 301 mg/kg (see Table 1). The complete analytical report for the initial soil samples collected for the site are included in Appendix A.

The actions performed at the site to date in order to comply with North Carolina rules 15A NCAC 2N.0702 through 15A NCAC 2N.0705 are listed below.

- NCAC 2N.0702 Further release of cutting oil into the surrounding soils was prevented by excavating 278.46 tons of impacted and potentially impacted soils from the site. Due to the removal of the impacted soils, the non-explosive nature of cutting oil, and since the excavated area has subsequently been backfilled with non-impacted soil, fire and explosion hazards are not present at the site.
- NCAC 2N.0703 Initial abatement measures conducted at the site included the excavation of impacted soils. Impacted soils encountered during the excavation were stockpiled approximately 500 feet from the release area, covered with plastic, and at a later date transported off-site to an approved disposal

November 14, 1997

facility. Manifests for the soil excavated from the facility are included in Appendix B.

NCAC 2N.0704      The virgin cutting oil release originated from an indoor storage area at the site. The exact quantity of the release is unknown. However, based upon the analytical results from soil samples collected during subsequent soil assessments conducted at the site, it appears that the release was relatively minor. The site is located within the city limits of Whitsett, North Carolina (see Figure 1). The land use of the surrounding area is commercial. Aquaterra conducted a survey to locate water supply wells within 1,500 feet of the site. No water supply wells were observed during the survey. Water service is provided to the area by the City of Greensboro.

NCAC2N.0705      Free product was present on the southeast corner of the building's concrete foundation slab and in the soil adjacent to the foundation (see Figure 2). Free product was removed during soil excavation activities.

A SSE was performed for the site (see Appendix C). One soil sample (SS-1) from the initial sampling event contained oil and grease in concentrations that exceeded the 250 mg/kg action level set by the North Carolina Department of Environment and Natural Resources. On November 4, 1997, Aquaterra collected an additional soil sample (HAB-1) at a depth of 3 to 3.5 feet below land surface in the area of soil sample SS-1. Laboratory analytical results from this soil sample indicated oil and grease concentrations of less than 50 mg/kg (see Table 1). Since the depth to water at the facility is approximately eight feet below land surface, it appears that a five foot buffer exists between the deepest level of impacted soil and the groundwater table. A Total Site Characteristics Score of 80 was calculated for the site, resulting in an Initial Cleanup Level for EPA Method 9071 of 700 parts per million (ppm). Based on the assumption that no known water supply well(s) are located within 1,500 feet of the release, and depth to ground water is approximately 8 feet below land surface, an SSE Site Specific Code - C was issued. Therefore, the Final Cleanup Level for the ECII site is 2,100 ppm.

Aquaterra anticipates that the submittal of this information is sufficient to satisfy NCAC 2N.0702 through NCAC 2N.0705. Aquaterra recommends that a copy of this report be submitted to the address below:

North Carolina Department of Environment and Natural Resources  
Division of Water Quality - Groundwater Section  
585 Waightown Street  
Winston-Salem, North Carolina 27107-2241

November 14, 1997

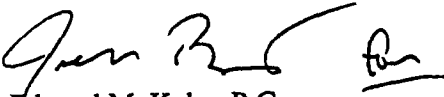
If you have any questions or require any additional information, please contact me at (910) 852-5003.

Sincerely,

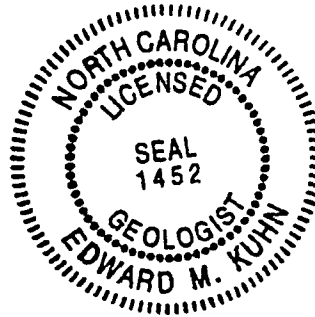
AQUATERRA, INC.



Robert L. Drake  
Project Specialist



Edward M. Kuhn, P.G.  
Project Manager



GR7075/RLD/EMK

# TABLES

**Table 1: Results of Soil Boring Analysis, Engineered Controls International, Inc., Whitsett, North Carolina.**

<b>Sample ID</b>	<b>Date Sampled</b>	<b>Depth (feet)</b>	<b>Result EPA Method 9071 (mg/kg)</b>
SS-1	9/23/97	2.5	301
SS-2	9/23/97	2.5	66.4
SS-3	9/23/97	2.5	76.6
SS-4	9/23/97	2.5	120
SS-5	9/23/97	3.5	139
SS-6	9/23/97	2.0	109
SS-7	9/23/97	2.5	176
HAB-1	10/5/97	3.0	<50

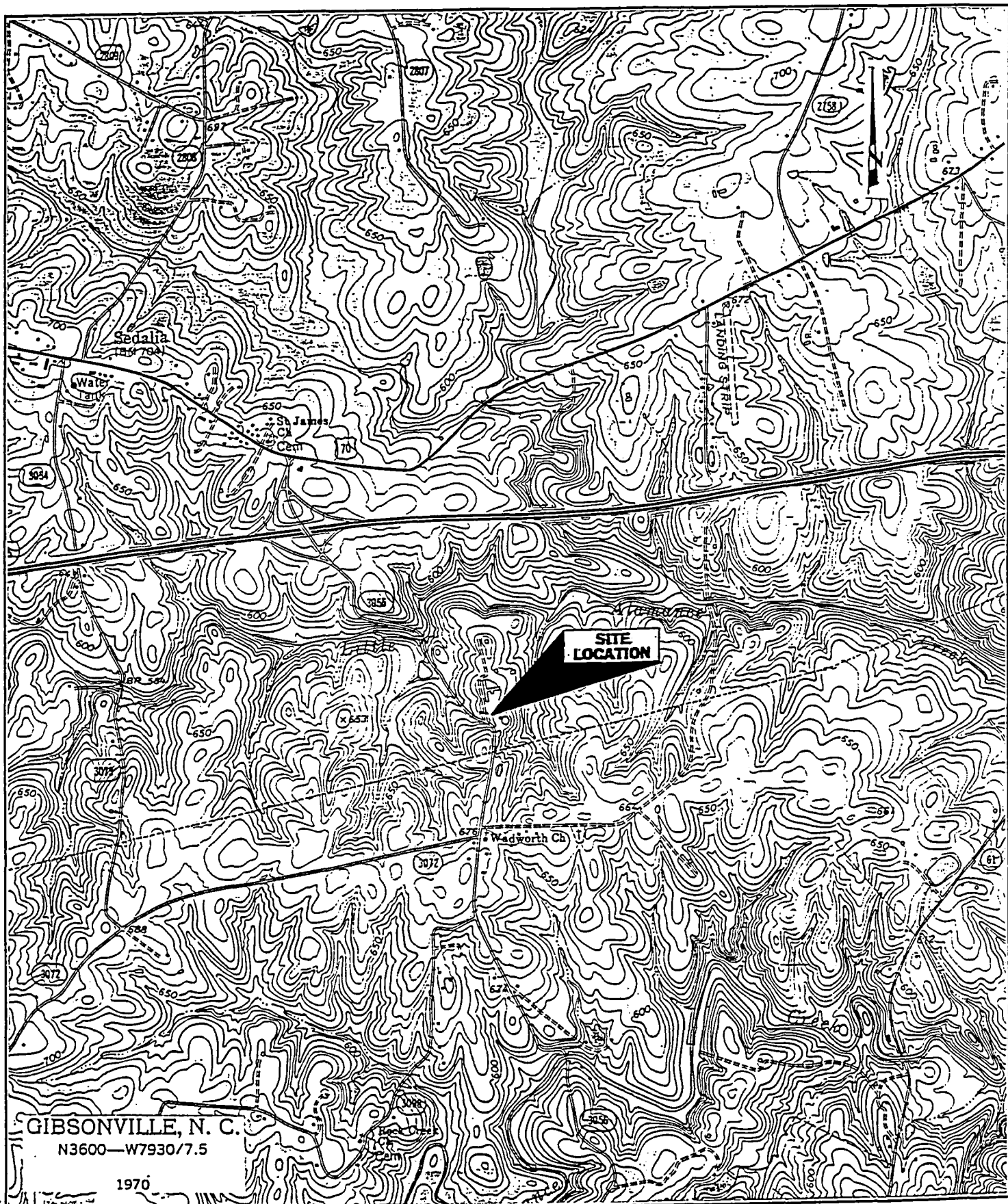
*Notes:*

*Analytical Laboratory: Research & Analytical Laboratories, Inc.  
Kernersville, North Carolina*

GR7075

# FIGURES



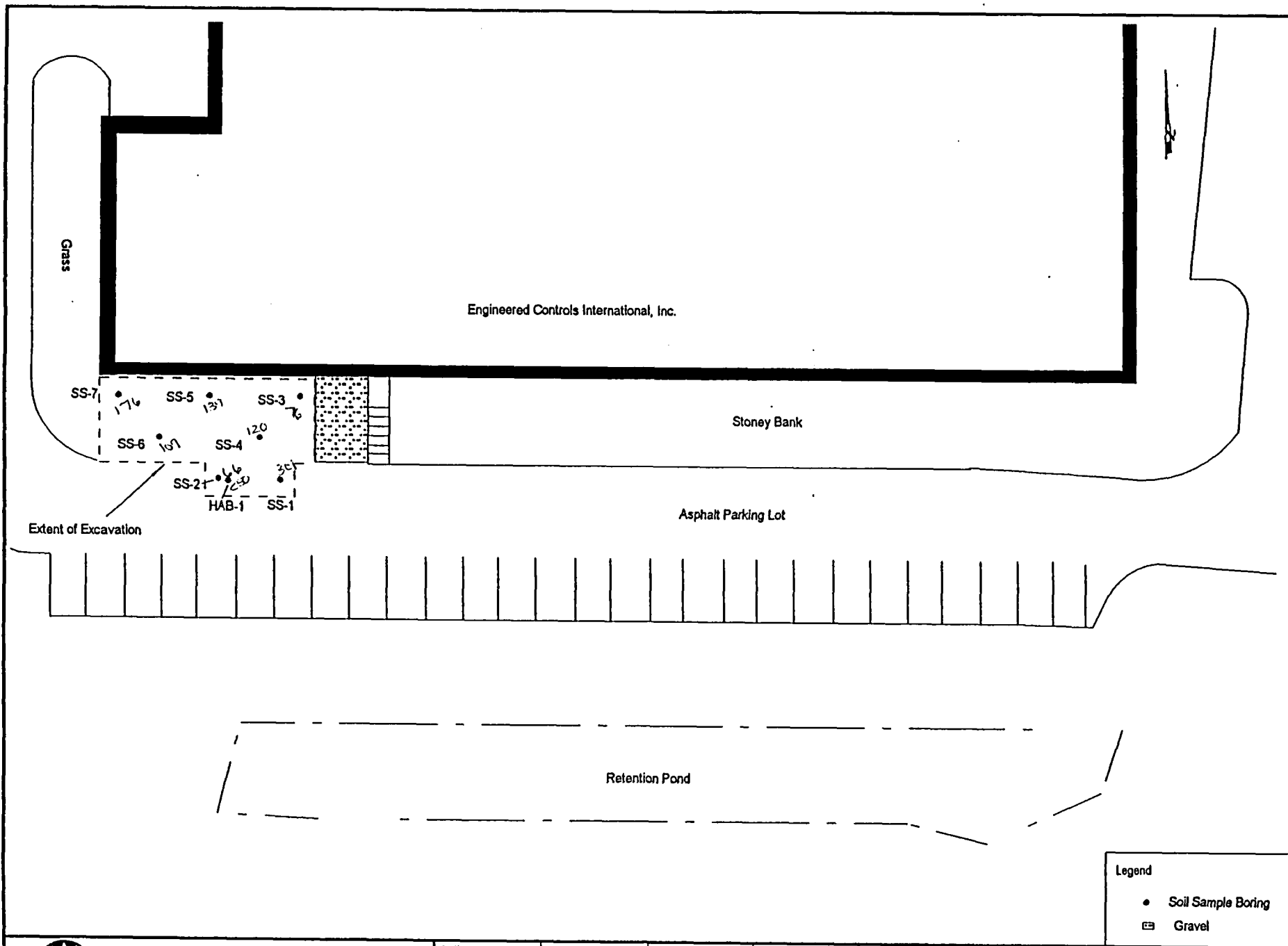


GIBSONVILLE, N. C.  
N3600—W7930/7.5

1970



Author RLD	Drawing 7307000-2	Layers	Date 9-30-97	Title Site Location Map
Job No. 7307000	Revision	Figure 1	Scale 1"=2,000'	Project Engineered Controls International, Inc. Whitsett, North Carolina



# APPENDIX A



# RESEARCH & ANALYTICAL LABORATORIES, INC.

Analytical/Process Consultations



25 September 1997

Four Seasons Environmental, Inc.  
P.O. Box 16590  
Greensboro, North Carolina 27416

Attention: Mr. John Richardson

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Project Number: 7307000 (Aquaterra)  
Project Name: Engineered Controls International, Inc.

---

<u>Sample Identification</u>	<u>Date Taken</u>	<u>Time (hrs)</u>	<u>RAL Sample#</u>	<u>EPA Method 9071 (ppm)</u>
SS-1 (2.5')	09/23/97	1130	312367	301
SS-2 (2.5')	09/23/97	1135	312368	66.4
SS-3 (2.5')	09/23/97	1145	312369	76.6
SS-4 (2.5')	09/23/97	1150	312370	120
SS-5 (3.5')	09/23/97	1200	312371	139
SS-6 (2.0')	09/23/97	1215	312372	109
SS-7 (2.5')	09/23/97	1220	312373	176

EPA Method 9071 = Total Petroleum Hydrocarbons as Oil & Grease  
< = Less Than or Below Detection Limits (BDL)  
ppm = Parts Per Million  
N/A = Not Available

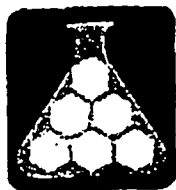
RESEARCH & ANALYTICAL  
LABORATORIES, INC.

Analytical/Process Consultations  
Phone (910) 996-2841

AquaTerra

## CHAIN OF CUSTODY RECORD

[illegible]



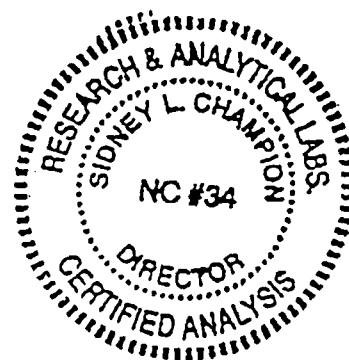
# RESEARCH & ANALYTICAL LABORATORIES, INC.

Analytical/Process Consultations

10 November 1997

Aquaterra - A Great Lakes Chemical Corporation Company  
302-L Pomona Dr.  
Greensboro, North Carolina 27407

Attention: Mr. Ed Kuhn



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Project Number: 7307000 (Aquaterra)  
Project Name: Engineered Controls International, Inc.

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<u>Sample Identification</u>	<u>Date Taken</u>	<u>Time (hrs)</u>	<u>RAL Sample#</u>	<u>EPA Method 9071 (ppm)</u>
HAB-1 (3-3.5')	11/04/97	1630	315913	<50

EPA Method 9071 = Total Petroleum Hydrocarbons as Oil & Grease  
< = Less Than or Below Detection Limits (BDL)  
ppm = Parts Per Million  
N/A = Not Available



TEST NAME: Engineer Controls  
 TEST: Greensboro

REPORT TO: Ed Kuhn

TURNAROUND: ☒ NORMAL ☒ 1 DAY ☐ OTHER PRECISE:

ESS: : Greensboro.

**AFFILIATION/LOCATION:**

\*REQUESTER DUE DATE

B NUMBER: 7307000

PHONE: (910) 852-5003

CONFIDENTIAL / SAVING REFERENCE

REFERENCE:  
GNC 4680

MAILED BY PHONE

ANALYSES REQUEST

NUMBER OF CONTAINERS

Thomas Haynes

\_\_\_\_\_  
**ADDER'S SIGNATURE**

Thomas F. Hayes

[illegible]

ADDITIONAL COMMENTS:

On ice

**RELINQUISHED BY / AFFILIATION**

ACCEPTED BY / AFFILIATION

DATE \_\_\_\_\_

TIME

**AIRBILL #**

Thomas F. Hayes / AQT

11/5

VV-5-97

# APPENDIX B





**SOIL SOLUTIONS**

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## ***CERTIFICATE OF ACCEPTANCE***

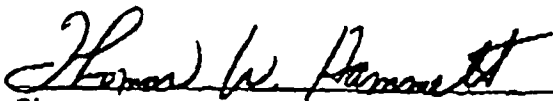
Soil Solutions, Inc. does hereby certify that 278.46 tons of non-hazardous contaminated material were received on 11/10/97 and 11/11/97 from:

Generator: Engineered Controls International

Originating at: 1239 Rock Creek Dairy Road Whitsett, NC

SSI Waste ID#: SF119710

This non-hazardous material has been accepted by Soil Solutions, Inc. and will be remediated in their Soil Treatment Facility in Winston-Salem, North Carolina. Soil Solutions, Inc. guarantees the contaminated material will be treated to below regulatory standards established by the North Carolina Department of Environment, Health and Natural Resources for clean soil.

  
Signature

Thomas W. Hammett, Senior Vice President  
Name/Title  
Soil Solutions, Inc.

Date 11 / 11 / 97

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**SOIL SOLUTIONS, INCORPORATED**

1703 Vargrave Street, Winston-Salem, NC 27107

**NON-HAZARDOUS MATERIALS MANIFEST**Truck # T-44 Load # 1 No 09713**GENERATOR INFORMATION**

Generator: Engineered Controls International Phone: 910-273-2718  
Site Address: 1239 Rock Creek Dairy Road  
Whitsett, North Carolina 27377 Contact: John Richardson

Material Description	Contaminant	Units	Weight Certification/Quantity
Soil	Cutting Oil	Tons Yds Drums	87340 24450 57940 28.97

**CARRIER INFORMATION**

Carrier: Treyler Trucking Co. Phone: 704-633-0690  
3350 Liberty Rd.  
Gold Hill NC Contact: Doug Treyler

As the carrier, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured, and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designate.

Carrier Signature: [Signature] Date: 11-10-97**RECEIVER INFORMATION**

SOIL SOLUTIONS, INC.  
1703 Vargrave Street  
Winston-Salem, NC 27107

SSI Project #: SF119710  
Phone: (910) 725-5844  
Contact: TONY DISHER

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina.

Facility Signature: [Signature] Date: 11-10-97

White/Facility

Canary/Invoice

Goldenrod/Generator

Pink/Carrier

**SOIL SOLUTIONS, INCORPORATED**

1703 Vargrave Street, Winston-Salem, NC 27107

**NON-HAZARDOUS MATERIALS MANIFEST**Truck # T-47Load # 2No 09714**GENERATOR INFORMATION**Generator: **Engineered Controls International**Phone: **910-273-2718**Site Address: **1239 Rock Creek Dairy Road****Whitsett, North Carolina 27377**Contact: **John Richardson**

Material Description	Contaminant	Units	Weight Certification/Quantity
<b>Soil</b>	<b>Cutting Oil</b>	<u>Tons</u>	<u>81000</u>
		<u>Yds<sup>3</sup></u>	<u>29500</u>
		<u>Drums</u>	<u>54500</u>
			<u>25.75</u>

**CARRIER INFORMATION**Carrier: Trexler Trucking Co.Phone: 704-633-06903350 Liberty RoadGold Hill NCContact: Doug Trexler

As the carrier, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured, and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designated.

Carrier Signature: Cathy WillsDate: 11/10/97**RECEIVER INFORMATION**

**SOIL SOLUTIONS, INC.**  
1703 Vargrave Street  
Winston-Salem, NC 27107

SSI Project #: **SF119710**Phone: **(910) 725-5844**Contact: **TONY DISHER**

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina.

Facility Signature: HERBERT BLAKEDate: 11-10-97

White/Facility

Canary/Invoice

Goldenrod/Generator

Pink/Carrier

**SOIL SOLUTIONS, INCORPORATED**

1703 Vargrave Street, Winston-Salem, NC 27107

**NON-HAZARDOUS MATERIALS MANIFEST**Truck # 71Load # 3No 09715**GENERATOR INFORMATION**Generator: Engineered Controls InternationalPhone: 910-273-2718Site Address: 1239 Rock Creek Dairy RoadWhitsett, North Carolina 27377Contact: John Richardson

Material Description	Contaminant	Units	Weight Certification/Quantity
Soil	Cutting Oil	Tons	33.69 Gross
		Yds <sup>3</sup>	21.69 NET
		Drums	12.00 TME

**CARRIER INFORMATION**Carrier: Hilco Transport Inc.  
Kennettville, N.C.

Phone: \_\_\_\_\_

Contact: \_\_\_\_\_

As the carrier, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured, and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designate.

Carrier Signature: Danell KlossDate: 11-10-97**RECEIVER INFORMATION**SOIL SOLUTIONS, INC.  
1703 Vargrave Street  
Winston-Salem, NC 27107SSI Project #: SP119710Phone: (910) 725-5844Contact: TONY DISHER

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina.

Facility Signature: TONY DISHER Date: 11-10-97

White/Facility

Canary/Invoice

Goldenrod/Generator

Pink/Carrier

**SOIL SOLUTIONS, INCORPORATED**

1703 Vargrave Street, Winston-Salem, NC 27107

**NON-HAZARDOUS MATERIALS MANIFEST**Truck # 7-44Load # 4No 09716**GENERATOR INFORMATION**Generator: Engineered Controls InternationalPhone: 910-273-2718Site Address: 1239 Rock Creek Dairy RoadWhitsett, North Carolina 27377Contact: John Richardson

Material Description	Contaminant	Units	Weight Certification/Quantity
Soil	Cutting Oil	Tons	0.0000
		Yds	29,400
		Drums	58,980

**CARRIER INFORMATION**Carrier: Truckee Trucking

Phone: \_\_\_\_\_

23,000,000 LBS

Contact: \_\_\_\_\_

As the carrier, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured, and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designate.

Carrier Signature: [Signature] Date: 11-11-97**RECEIVER INFORMATION**

SOIL SOLUTIONS, INC.  
1703 Vargrave Street  
Winston-Salem, NC 27107

SSI Project #: SF119710Phone: (910) 725-5844Contact: TONY DISHER

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina.

Facility Signature: [Signature] Date: 11-11-97

White/Facility

Canary/Invoice

Goldenrod/Generator

Pink/Carrier

**SOIL SOLUTIONS, INCORPORATED**

1703 Vargrave Street, Winston-Salem, NC 27107

**NON-HAZARDOUS MATERIALS MANIFEST**Truck # 747Load # 5No 09717**GENERATOR INFORMATION**Generator: Engineered Controls InternationalPhone: 910-273-2718Site Address: 1239 Rock Creek Dairy RoadWhitsett, North Carolina 27377Contact: John Richardson

Material Description	Contaminant	Units	Weight Certification/Quantity
Soil	Cutting Oil	(Tons)	86760
		Yds <sup>3</sup>	29500
		Drums	57260

**CARRIER INFORMATION**Carrier: Truckee TruckingPhone: 704-653-069028004100 N.C.Contact: Don Taylor

As the carrier, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured, and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designate.

Carrier Signature: Carl WilkDate: 11/15/97**RECEIVER INFORMATION**

SOIL SOLUTIONS, INC.  
1703 Vargrave Street  
Winston-Salem, NC 27107

SSI Project #: SF119710Phone: (910) 725-5844Contact: TONY DISHER

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina.

Facility Signature: ROBERT BLAKE Date: 11/15/97

White/Facility

Canary/Invoice

Goldenrod/Generator

Pink/Carrier

**SOIL SOLUTIONS, INCORPORATED**

1703 Vargrave Street, Winston-Salem, NC 27107

**NON-HAZARDOUS MATERIALS MANIFEST**Truck # 15Load # 6No 09718**GENERATOR INFORMATION**Generator: Engineered Controls InternationalPhone: 910-273-2718Site Address: 1239 Rock Creek Dairy RoadWaketts, North Carolina 27377Contact: John Richardson

Material Description	Contaminant	Units	Weight Certification/Quantity
Soil	Cutting Oil	(tons)	19.77
		Yds	12.00 TARE
		Drums	31.77 Gross

**CARRIER INFORMATION**Carrier: Hilco Transport Inc

Phone: \_\_\_\_\_

Rockville NC

Contact: \_\_\_\_\_

As the carrier, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured, and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designate.

Carrier Signature: Carol L. Hill

Date: \_\_\_\_\_

**RECEIVER INFORMATION**

SOIL SOLUTIONS, INC.  
1703 Vargrave Street  
Winston-Salem, NC 27107

SSI Project #: SF119710Phone: (910) 725-5844Contact: TONY DISHER

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina

Facility Signature: Hill 11/13/97

Date: \_\_\_\_\_

White/Facility

Canary/Invoice

Goldenrod/Generator

Pink/Carrier

# SOIL SOLUTIONS, INCORPORATED

1703 Vargrave Street, Winston-Salem, NC 27107

## NON-HAZARDOUS MATERIALS MANIFEST

Truck #

Load #

No 09767

### GENERATOR INFORMATION

Generator: **Engineered Controls International**

Phone: **910-273-2718**

Site Address: **1239 Rock Creek Dairy Road**

**Whitsett, North Carolina**

Contact: **John Richardson**

Material Description	Contaminant	Units	Weight Certification/Quantity
Soil	Cutting Oil	Tons	73.440
		Yds <sup>3</sup>	27.300
		Drums	46,140 23.07

### CARRIER INFORMATION

Carrier: **Soil Solutions, Incorporated**

Phone: **(910) 725-5844**

**1703 Vargrave Street**

**Winston-Salem, NC 27107**

Contact: **Tony Disher**

As the carrier, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured, and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designate.

Carrier Signature: *Stephen W. Miller*

Date: **11/10/97**

### RECEIVER INFORMATION

SOIL SOLUTIONS, INC.  
1703 Vargrave Street  
Winston-Salem, NC 27107

SSI Project #: **SF119710**

Phone: **(910) 725-5844**

Contact: **TONY DISHER**

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina.

Facility Signature: *Don Hammett*

Date: **11/10/97**

White/Facility

Canary/Invoice

Goldenrod/Generator

Pink/Carrier



# SOIL SOLUTIONS, INCORPORATED

1703 Vargrave Street, Winston-Salem, NC 27107

## NON-HAZARDOUS MATERIALS MANIFEST

Truck # T-44 Load # 8 No 09720

### GENERATOR INFORMATION

Generator: Engineered Controls International Phone: 910-273-2718  
 Site Address: 1239 Rock Creek Dairy Road  
Whitsett, North Carolina 27377 Contact: John Richardson

Material Description	Contaminant	Units	Weight Certification/Quantity
Soil	Cutting Oil	Tons	87.640
		Yds	294.00
		Drums	5.7640

### CARRIER INFORMATION

Carrier: Traxler Phone: 633 0640  
Coke Hill NC  
 Contact: \_\_\_\_\_

As the carrier, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured, and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designate.

Carrier Signature: [Signature] Date: 11-10-97

### RECEIVER INFORMATION

SOIL SOLUTIONS, INC.  
 1703 Vargrave Street  
 Winston-Salem, NC 27107  
 SSI Project #: SF119710  
 Phone: (910) 725-5844  
 Contact: TONY DISHER

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina.

Facility Signature: [Signature] Date: 11-10-97

White/Facility      Canary/Invoice      Goldenrod/Generator      Pink/Carrier

# SOIL SOLUTIONS, INCORPORATED

1703 Vargrave Street, Winston-Salem, NC 27107

## NON-HAZARDOUS MATERIALS MANIFEST

Truck # 7-771 Load # 9 No 09721

### GENERATOR INFORMATION

Generator: Engineered Controls International Phone: 910-273-2718  
 Site Address: 1239 Rock Creek Dairy Road  
Whitsett, North Carolina 27377 Contact: John Richardson

Material Description	Contaminant	Units (Tons) Yds <sup>3</sup> Drums	Weight Certification/Quantity
Soil	Cutting Oil		81880 29500 52380 26.19

### CARRIER INFORMATION

Carrier: Trexler Trucking Phone: 704-633-0690  
3350 Liberty Rd  
Gold Hill, NC Contact: Doug Trexler

As the carrier, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured, and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designate.

Carrier Signature: [Signature] Date: 11/11/97

### RECEIVER INFORMATION

SOIL SOLUTIONS, INC.  
 1703 Vargrave Street  
 Winston-Salem, NC 27107

SSI Project #: SF119710  
 Phone: (910) 725-5814  
 Contact: TONY Disher

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina.

Facility Signature: ALBERT BLOE Date: 11-10-97

White/Facility

Canary/Invoice

Goldenrod/Generator

Pink/Carrier

**SOIL SOLUTIONS, INCORPORATED**

1703 Vargrave Street, Winston-Salem, NC 27107

**NON-HAZARDOUS MATERIALS MANIFEST**Truck # 91Load # 10No 09722**GENERATOR INFORMATION**Generator: Engineered Controls InternationalPhone: 910-273-2718Site Address: 1239 Rock Creek Dairy RoadWhitsett, North Carolina 27377Contact: John Richardson

Material Description	Contaminant	Units	Weight Certification/Quantity
Soil	Cutting Oil	Tons	18.50 NET
		Yds <sup>3</sup>	30.50 GROSS
		Drums	12.00 TARE

**CARRIER INFORMATION**Carrier: Hill TransportPhone: 913-3400Kemersville, NC

Contact: \_\_\_\_\_

As the carrier, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured, and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designate.

Carrier Signature: Seindall KhanDate: 11-10-97**RECEIVER INFORMATION**

SOIL SOLUTIONS, INC.  
1703 Vargrave Street  
Winston-Salem, NC 27107

SSI Project #: SF119710Phone: (910) 725-5844Contact: TONY DISHER

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina.

Facility Signature: Michael R. Blue Date: 11-10-97

White/Facility

Canary/Invoice

Goldcard/Generator

Pink/Carrier

**SOIL SOLUTIONS, INCORPORATED**

1703 Vargrave Street, Winston-Salem, NC 27107

**NON-HAZARDOUS MATERIALS MANIFEST**

Truck # 95

Load # 11

No 09723

**GENERATOR INFORMATION**Generator: **Engineered Controls International**Phone: **910-273-2718**Site Address: **1239 Rock Creek Dairy Road****Whitsett, North Carolina 27377**Contact: **John Richardson**

Material Description	Contaminant	Units	Weight Certification/Quantity
Soil	Cutting Oil	Tons	19.33 PET
		Yds	12.00 + 45C
		Drums	31.33 Gross

**CARRIER INFORMATION**Carrier: **Hilco Transport**  
**Kernersville NC**Phone: **(910) 443-2400**

Contact: \_\_\_\_\_

As the carrier, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured, and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designate.

Carrier Signature: **Phyllis Smith**

Date: \_\_\_\_\_

**RECEIVER INFORMATION**
**SOIL SOLUTIONS, INC.**  
**1703 Vargrave Street**  
**Winston-Salem, NC 27107**
SSI Project #: **SF119710**Phone: **(910) 725-5844**Contact: **TONY DISHER**

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina

Facility Signature: **BERT BLOE** Date: **11 - 18 - 97**

White/Facility

Canary/Invoice

Goldenrod/Generator

Pink/Carrier

# SOIL SOLUTIONS, INCORPORATED

1703 Vargrave Street, Winston-Salem, NC 27107

## NON-HAZARDOUS MATERIALS MANIFEST

Truck #

Load #

No 09724

### GENERATOR INFORMATION

Generator: Engineered Controls International

Phone: 910-273-2718

Site Address: 1239 Rock Creek Dairy Road

Whitsett, North Carolina 27377

Contact: John Richardson

Material Description	Contaminant	Units	Weight Certification/Quantity
Soil	Cutting Oil	Tons Yds. Drums	25.25 tons 40.000 24.000

25.25 tons  
40.000  
24.000

### CARRIER INFORMATION

Carrier: Hiler Transport

Phone: 910-273-9441

1024 E Mountain St.

Rockwell NC 27084

Contact: \_\_\_\_\_

As the carrier, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured, and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designated:

Carrier Signature: Mike McLaughlin

Date: 10/10/97

### RECEIVER INFORMATION

SOIL SOLUTIONS, INC.  
1703 Vargrave Street  
Winston-Salem, NC 27107

SSI Project #: SF119710

Phone: (910) 725-5844

Contact: TONY DISHER

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina.

Facility Signature: HC 13 E 121 13 L 0 0

Date: 11 - 11 97

White/Facility

Canary/Invoice

Goldenrod/Generator

Pink/Carrier

# APPENDIX C

Table 1  
**SITE SENSITIVITY EVALUATION**  
Site Characteristics Evaluation (Step 1)

Characteristic	Condition	Rating	Score
Predominant Grain Size	Gravel Sand Silt Clay	150 100 <u>50</u> 0	50
Are relict structures, sedimentary structures, and/or textures present in the zone of contamination and underlying "soils"?	Present and intersecting seasonal high water table  Present but <u>not</u> intersecting seasonal high water table  None Present	10  5  <u>0</u>	   0
Distance between contaminated-noncontaminated soil interface and seasonal high water table	5 - 10 feet  >10 - 40 feet  >40 feet	<u>20</u>  10  0	  20  
Is the top of bedrock or transmissive indurated sediments located above seasonal high water table?	Yes  No	20  <u>0</u>	  0
Are artificial conduits present within the zone of contamination?	Present & intersecting seasonal high water table  Present but <u>not</u> intersecting seasonal high water table  Not present	150  <u>10</u>  0	  10  

Total Site Characteristics Score: 80

# Table 2 SITE SENSITIVITY EVALUATION

Step 2 - Initial Cleanup Level

Step 3 - Final Cleanup Level

**\*EPA Method 8015/5030 for Low Boiling Point Hydrocarbons  
such as Gasoline, Aviation Fuels, Gasohol**

Total Site Characteristics Score	Initial Cleanup Level TPH (ppm)	Select Site Code**	Final Cleanup Level
> 150	< 10	Code A (Multiply initial cleanup level by 1)	1 x _____ = _____ ppm
121 - 150	20	Code B (Multiply initial cleanup level by 2)	2 x _____ = _____ ppm
91 - 120	40	Code C (Multiply initial cleanup level by 3)	3 x _____ = _____ ppm
61 - 90	60		
31 - 60	80		
0 - 30	100		
Select initial cleanup level, then proceed to Step 3			

\* California GC-FID, modified EPA Method 8015

**\*EPA Method 8015/3550 for Medium Boiling Point Hydrocarbons  
such as Kerosene, Diesel, Varsol, Mineral Spirits, Naptha**

Total Site Characteristics Score	Initial Cleanup Level TPH (ppm)	Select Site Code**	Final Cleanup Level
> 150	< 40	Code A (Multiply initial cleanup level by 1)	1 x _____ = _____ ppm
121 - 150	80	Code B (Multiply initial cleanup level by 2)	2 x _____ = _____ ppm
91 - 120	160	Code C (Multiply initial cleanup level by 3)	3 x _____ = _____ ppm
61 - 90	240		
31 - 60	320		
0 - 30	400		
Select initial cleanup level, then proceed to Step 3			

\* California GC-FID, modified EPA Method 8015

**EPA Method 9071 for Heavy Fuels - Oil and Grease (O&G)  
such as Fuel Oil (#4, #5, #6) Motor Oil, Hydraulic Fluid, O&G**

Total Site Characteristics Score	Initial Cleanup Level TPH (ppm)	Select Site Code**	Final Cleanup Level
> 150	< 250	Code A (Multiply initial cleanup level by 1)	1 x _____ = _____ ppm
121 - 150	400	Code B (Multiply initial cleanup level by 2)	2 x _____ = _____ ppm
91 - 120	550	Code C (Multiply initial cleanup level by 3)	3 x <del>700</del> = <del>2,100</del> ppm
61 - 90	<u>700</u>		
31 - 60	850		
0 - 30	1000		
Select initial cleanup level, then proceed to Step 3			

\*\*See Site Code Descriptions, Table 3